

9
PCT Rec'd 13 NOV 2001

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Anthony Keith CAMPBELL

Serial No. 09/831,142
(PCT/GB99/03654)

Box PCT
Attention: DO/EO

Filed May 7, 2001

PROTEIN AND DNA CODING THEREFOR

REQUEST FOR PERMISSION TO MAKE DRAWING CORRECTIONS

Commissioner for Patents

Washington, D.C. 20231

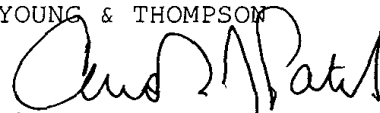
Sir:

Permission is respectfully requested to amend Figures
1, 2, 3, 4A and 4B, 5A and 5B, 6, 7A, 7B, 7C, and 9 as indicated
in red on the accompanying prints.

Respectfully submitted,

YOUNG & THOMPSON

By



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Telephone: 521-2297

November 13, 2001

Clone 40: (SEQ ID NO: 1)

GAATTCGGCAGGAGTCGAAAAGAACAAAATGGCTTGTATCGTTTTCGTT
GCTCTTGTGCTCTATGCTTAATGCAACCGGGTTCCGGTGAGGAAGTACA
ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACT
GGATGACCATTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAA
GATCGGGCTTTGGGGCTGTGTGCGATTGAACGGGCCGGCCAGGTACCAC
AAAAGCCGCTCGGATTAACTGGAGTAACGACACGCAGTCATGTGTAACAA
GAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGAC
TACAGACCACAGGAAGACGGAACCTGAGAAAACCTTTACAAGAAAATTCTC
TAGCAAAATGCCAGGCACCTTACATGCTTATGGACGTGTGCGCTACAAGGG
ACGCTGATGATAAATGCATCGAAGGCACAATGTGGTGACAGTCAGGGTG
TCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTGAT
TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTCTTAGACC
AAGATGTTGAACTCGATTATACGTGGACTCAAAACGAGTGTGATCTACCA
GACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTT
CTGGTAGATCTATCAGACTACTTTATCAGCAGGACAACCTGGTCGTTACC
AGACACCTATAACGTGTCCTCATCAATAATGTGTAACAGAAAATAATCG
ATAGAATATTGAAAATAAAATGTTAATAAACACTGGTTGAAATATGAAAA
AAAAAAAAAAAAAACTCGAG

Clone 3: (SEQ ID NO: 2)

GAATTCGGCAGGAGGAAAAGAACAAAATGGCTTGTATCGTTTTCGTT
GCTCTTGTGCTCTATGCTTAATGCAACCGGGTTCCGGTGAGGAAGTACA
ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACT
GGATGACCATTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAG
GATCGGGCTTTGGGGCTGTGTGCGATTGAACGGGCCGGCCAGGTACCAC
AAAAGCCGCTCGGATTAACTGGAGTAACGACACGCAGTCATGTGTAACAA
GAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGAC
TACAGACCACAGGAAGACGGAACCTGAGAAAACCTTTACAAGAAAATTCTC
TAGCAAAATGCCAGGCACCTTACATGCTTATGGACGTGTGCGCTACAAGGG
ACGCTGATGATAAATGCATCGAAGGCACAATGTGGTGACAGTCAGGGTG
TCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTTAT
TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTCTTAGACC
AAGATGTTGAACTCGATTATACGTGGACTCAAAACGAGTGTGATCTACCA
GACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTT
CTGGTAGATCTATCAGACCACTTTTATCAGCAGGACAACCTGGTCGTTACC
AGACACCTATAACGTGTCCTCATCAATAATGTGTAACAGAAAATAATCG
ATAGAATATTGAAAATAA

Clone 5: (SEQ ID NO: 3)

GTCGAAAAGAACAAAATGGCTTGTATCGTTTTCGTTGCTTGTGCTCTATGCTTAATGCAACCGGG
TTCCGGTGAGGAAGTACAATGCCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACTG
ATGACCATTTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAGGATCGGGCTTTGGGGCTGTG
TCGGATTGAACGGGCCGGCCAGGTACCACAAAAGCCGCTCGGATTAACTGGAGTAACGACACGCAGTC
ATGTGTAACAAGAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGACTACAGACC
ACAGGAAGACGGAACCTGAGAAAACCTTTACAAGAAAATTCTCTAGCAAAATGCCAGGCACCTTACATGCT
TATGGACGTGTGCGCTACAAGGACGCTGATGATAAATGCATCGAAGGCACAATGTGGTGACAGTCAG
GGTGTCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTTATTCCATCTGAGACAAT
CGAGGATGATATCAAGGACTGTGGGCTCTTAGACCAAGATGTTGAACTCGATTATACGTGGACTCAAAA
CGAGTGTGATCTACCAGACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTTCTG
GTAGATCTATCAGACCACTTTTATCAGCAGGACAACCTGGTCGTTACCAGACACCTATAACGTGTCCTCA
TCAATAATGTGTAACAGAAAATAATCGATAGAATATTGAAAATAAAATGTTAATAGACACTGGTTGAA
AAAAAAAAAAAAAACTCGAG

Fig. 1

clone 40 GAATTCGGCACGAGTCGGAAAAGAACAAAATGGCTTGTATCGTTTTCGTT
clone 3 GAATTCGGCACGAG--GGAAAAGAACAAAATGGCTTGTATCGTTTTCGTT
clone 5 -----GTCGGAAAAGAACAAAATGGCTTGTATCGTTTTCGTT
* *****

clone 40 GCTCTTGTGCTCTATGCTTAATGCAACCGGGTTCGGGTGAGGAAGTACA
clone 3 GCTCTTGTGCTCTATGCTTAATGCAACCGGGTTCGGGTGAGGAAGTACA
clone 5 GCTCTTGTGCTCTATGCTTAATGCAACCGGGTTCGGGTGAGGAAGTACA

clone 40 ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACT
clone 3 ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACT
clone 5 ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACT

clone 40 GGATGACCATTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAA
clone 3 GGATGACCATTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAG
clone 5 GGATGACCATTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAG

clone 40 GATCGGGCTTTGGGGCTGTGTGCGATTGAACGGGCGCGCCAGGTACCAC
clone 3 GATCGGGCTTTGGGGCTGTGTGCGATTGAACGGGCGCGCCAGGTACCAC
clone 5 GATCGGGCTTTGGGGCTGTGTGCGATTGAACGGGCGCGCCAGGTACCAC

clone 40 AAAAGCCGTCTGGATTAACTGGAGTAACGACACGCAGTCATGTGTAACAA
clone 3 AAAAGCCGTCTGGATTAACTGGAGTAACGACACGCAGTCATGTGTAACAA
clone 5 AAAAGCCGTCTGGATTAACTGGAGTAACGACACGCAGTCATGTGTAACAA

clone 40 GAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGAC
clone 3 GAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGAC
clone 5 GAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGAC

clone 40 TACAGACCACAGGAAGACGGAACCTGAGAAAACTTTACAAGAAAATTCTC
clone 3 TACAGACCACAGGAAGACGGAACCTGAGAAAACTTTACAAGAAAATTCTC
clone 5 TACAGACCACAGGAAGACGGAACCTGAGAAAACTTTACAAGAAAATTCTC

clone 40 TAGCAAAATGCCAGGCACCTTACATGCTTATGGACGTGTGCGCTACAAGGG
clone 3 TAGCAAAATGCCAGGCACCTTACATGCTTATGGACGTGTGCGCTACAAGGG
clone 5 TAGCAAAATGCCAGGCACCTTACATGCTTATGGACGTGTGCGCTACAAGGG

clone 40 ACGCTGATGATAAATGCATCGAAGGCACAATTGTGGTGACAGTCAGGGTG
clone 3 ACGCTGATGATAAATGCATCGAAGGCACAATTGTGGTGACAGTCAGGGTG
clone 5 ACGCTGATGATAAATGCATCGAAGGCACAATTGTGGTGACAGTCAGGGTG

clone 40 TCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTTAT
clone 3 TCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTTAT
clone 5 TCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTTAT

clone 40 TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTCTTAGACC
clone 3 TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTCTTAGACC
clone 5 TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTCTTAGACC

Fig. 2 (Part 1 of 2)

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clone 40      AAGATGTTGAACTCGATTATACGTGGACTCAAAACGAGTGTGATCTACCA
clone 3       AAGATGTTGAACTCGATTATACGTGGACTCAAAACGAGTGTGATCTACCA
clone 5       AAGATGTTGAACTCGATTATACGTGGACTCAAAACGAGTGTGATCTACCA
               *****

clone 40      GACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTT
clone 3       GACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTT
clone 5       GACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTT
               *****

clone 40      CTGGTAGATCTATCAGACTACTTTTATCAGCAGGACAACCTGGTCGTTACC
clone 3       CTGGTAGATCTATCAGACCACTTTTATCAGCAGGACAACCTGGTCGTTACC
clone 5       CTGGTAGATCTATCAGACCACTTTTATCAGCAGGACAACCTGGTCGTTACC
               *****

clone 40      AGACACCTATAACGTGTCCTCATCAATAATGTGTAAACAGAAATAATCG
clone 3       AGACACCTATAACGTGTCCTCATCAATAATGTGTAAACAGAAATAATCG
clone 5       AGACACCTATAACGTGTCCTCATCAATAATGTGTAAACAGAAATAATCG
               *****

clone 40      ATAGAATATTGAAAATAAAATGTTAATAAACACTGGTTGAAATATGAAAA
clone 3       ATAGAATATTGAAAATAAA-----
clone 5       ATAGAATATTGAAAATAAAATGTTAATAGACACTGGTTGAAA-----AAA
               *****

clone 40      AAAAAAAAAAAAACTCGAG (SEQ ID No: 1)
clone 3       ----- (SEQ ID No: 2)
clone 5       AAAAAAAAAAAAACTCGAG (SEQ ID No: 3)

```

Fig. 2 (Part 2 of 2)

GAATTCGGCACGAGTCGGAAAAGAACAAATGGCTTGTATCGTTTTCGTTGCTCTTG
8S
TCGCTCTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACAATGCGCGATGAATT
GGACACAAGCTAATGAATATGTGTTCAACGTGGACTGGATGACCATTTTCATCTACG
ACTATGGCGCTCAAGAGCAACTGTACGAAGATCGGGCTTTGGGGCTGTGTCTGGATTG
3A
AACGGGCCGGCCAGGTACCACAAAAGCCGTCTGGATTAAGTGGAGTAACGACACGC
AGTCATGTGTAACAAGAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCCGC
4S
TAGTTGACTACAGACCACAGGAAGACGGAAGTGGAGAACTTTTACAAGAAAATTCT
CTAGCAAAATGCCAGGCACTTACATGCTTATGGACGTGTGCGCTACAAGGGACGCTG
ATGATAAATGCATCGAAGGCACAATTGTGGTGACAGTCAGGGTGTCCCTATATGACG
6A
AAGATAACAATGGTGTAATGGATGAAGGTAAGGTGTTCCATCTGAGACAATCGAGGA
TGATATCAAGGACTGTGGGCTCTTAGACCAAGATGTTGAACTCGATTATACGTGGAC
7S
TCAAAACGAGTGTGATCTACCAGACACAGTAGACGAGGCTGAAGACACACCGTCAGA
AACTGGAGAATTCTTCTGGTAGATCTATCAGACTACTTTTATCAGCAGGACAACCTGG
TCGTTACCAGACACCTATAACGTGTCCTCATCAATAATGTGTAAAACAGAAATAATC
GATAGAATATTGAAAATAAAATGTTAATAAACAAGTGGTTGAAATATGAAAAAAAAA
5A
AAAAAAACTCGAG

Fig. 3 (SEQ ID No. 1)

Untranslated region

GAATTTCGGCACGAGTCGGAAAAAGAACAAA

Translated region

ATG GCT TGT ATC GTT TTC GTT GCT CTT GTC GCT CTA TGC TTA ATG	45
M A C I V F V A L V A L C L M	
CAA CCG GGT TCC GGT GAG GAA GTA CAA TGC GCG ATG AAT TGG ACA	90
Q P G S G E E V Q C A M N W T	
CAA GCT AAT GAA TAT GTG TTC AAC GTG GAC TGG ATG ACC ATT TTC	135
Q A N E Y V F N V D W M T I F	
ATC TAC GAC TAT GGC GCT CAA GAG CAA CTG TAC GAA GAT CGG GCT	180
I Y D Y G A Q E Q L Y E D R A	
TTG GGG CTG TGT CGG ATT GAA CGG GCC GGC CCA GGT ACC ACA AAA	225
L G L C R I E R A G P G T T K	
GCC GTC TGG ATT AAC TGG AGT AAC GAC ACG CAG TCA TGT GTA ACA	270
A V W I N W S N D T Q S C V T	
AGA AAA ACA ATC TTC TTC GAG GTT GGT GGA GAA ATT GCC CGG CTA	315
R K T I F F E V G G E I A R L	
GTT GAC TAC AGA CCA CAG GAA GAC GGA ACT GAG AAA ACT TTT ACA	360
V D Y R P Q E D G T E K T F T	
AGA AAA TTC TCT AGC AAA ATG CCA GGC ACT TAC ATG CTT ATG GAC	405
R K F S S K M P G T Y M L M D	
GTG TGC GCT ACA AGG GAC GCT GAT GAT AAA TGC ATC GAA GGC ACA	450
V C A T R D A D D K C I E G T	
ATT GTG GTG ACA GTC AGG GTG TCC CTA TAT GAC GAA GAT AAC AAT	495
I V V T V R V S L Y D E D N N	
GGT GTA ATG GAT GAA GGT AAG GTG ATT CCA TCT GAG ACA ATC GAG	540
G V M D E G K V I P S E T I E	
GAT GAT ATC AAG GAC TGT GGG CTC TTA GAC CAA GAT GTT GAA CTC	585
D D I K D C G L L D Q D V E L	
GAT TAT ACG TGG ACT CAA AAC GAG TGT GAT CTA CCA GAC ACA GTA	630
D Y T W T Q N E C D L P D T V	
GAC GAG GCT GAA GAC ACA CCG TCA GAA ACT GGA GAA TTC TTC TGG	675
D E A E D T P S E T G E F F W	
TAG ATC TAT CAG ACT ACT TTT ATC AGC AGG ACA ACT GGT CGT TAC	720
*	
CAG ACA CCT ATA ACG TGT CCT CAT CAA TAA	750

* = stop for translation

Fig. 4A (SEQ ID NOS 1 and 4)

EcoR I

GAATTCGGCAGGAGTCGGAAAAGAACAAA

ATG GCT TGT ATC GTT TTC GTT GCT CTT GTC GCT CTA
TGC TTA ATG CAA CCG GGT TCC GGT GAG GAA GTA CAA
TGC GCG ATG AAT TGG ACA CAA GCT AAT GAA TAT GTG
TTC AAC GTG GAC TGG ATG ACC ATT TTC ATC TAC GAC
TAT GGC GCT CAA GAG CAA CTG TAC GAA GAT CGG GCT
TTG GGG CTG TGT CGG ATT GAA CGG GCC GGC CCA GGT
ACC ACA AAA GCC GTC TGG ATT AAC TGG AGT AAC GAC
ACG CAG TCA TGT GTA ACA AGA AAA ACA ATC TTC TTC
GAG GTT GGT GGA GAA ATT GCC CGG CTA GTT GAC TAC
AGA CCA CAG GAA GAC GGA ACT GAG AAA ACT TTT ACA
AGA AAA TTC TCT AGC AAA ATG CCA GGC ACT TAC ATG
CTT ATG GAC GTG TGC GCT ACA AGG GAC GCT GAT GAT
AAA TGC ATC GAA GGC ACA ATT GTG GTG ACA GTC AGG
GTG TCC CTA TAT GAC GAA GAT AAC AAT GGT GTA ATG
GAT GAA GGT AAG GTG ATT CCA TCT GAG ACA ATC GAG
GAT GAT ATC AAG GAC TGT GGG CTC TTA GAC CAA GAT
GTT GAA CTC GAT TAT ACG TGG ACT CAA AAC GAG TGT
GAT CTA CCA GAC ACA GTA GAC GAG GCT GAA GAC ACA
CCG TCA GAA ACT GGA GAA TTC TTC TGG TAG

ATCTATCAGACTACTTTTATCAGCAGGACAACCTGGTCGTTACCAGAC
ACCTATAACGTGTCCTCATCAATAATGTGTAAAACAGAAATAATCGA
TAGAATATTGAAAAATAAAATGTTAATAAACACTGGTTGAAATATGAA
AAAAAAAAAAAAAAAAACTCGAG

Xho I

Fig. 4B (SEQ ID NO: 1)

EEVQCAMNWTQANEYVFENVDMTIFIYDYGAQEQLYEDRALGLCRIERAGPGTTKAV
WINWSNDTQSCVTRKTIFFEVGGEIARLVDIRPQEDGTEKTFTTRKFSSKMPGTYYMLM
DVCATRDADDDKCIEGTIVVTVRVSLYDEDNNGVMDEGKVIPSETIEDDIKDCGLLDQ
DVELDYTWTQNECDLPDTVDEAEDTPSETGEFFW

Fig. 5A (SEQ ID No: 5)

MACIVFVALVALCLMQPGSGEEVQCAMNWTQANEYVFENVDMTIFIYDYGAQEQLYE
DRALGLCRIERAGPGTTKAVWINWSNDTQSCVTRKTIFFEVGGEIARLVDIRPQEDG
TEKTFTTRKFSSKMPGTYYMLMDVCATRDADDDKCIEGTIVVTVRVSLYDEDNNGVMDEG
KVIPSETIEDDIKDCGLLDQDVELDYTWTQNECDLPDTVDEAEDTPSETGEFFW

Fig. 5B (SEQ ID No: 6)

clone 40 BioXAct rTth	GAATTCCGGCACGAGTCGGAAAAGAACAAAATGGCTTGTATCGTTTTCGTT TGGCTTGTATCGTTTTCGTT
clone 40 BioXAct rTth	GCTCTTGTGCTCTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACA GCTCTTGTGCTCTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACA TATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACA *****
clone 40 BioXAct rTth	ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACT ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACT ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTTCAACGTGGACT *****
clone 40 BioXAct rTth	GGATGACCATTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAA GGATGACCATTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAA GGATGACCATTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAA *****
clone 40 BioXAct rTth	GATCGGGCTTTGGGGCTGTGTCGGATTGAACGGGCCGGCCAGGTACCAC GATCGGGCTTTGGGGCTGTGTCGGATTGAACGGGCCGGCCAGGTACCAC GATCGGGCTTTGGGGCTGTGTCGGATTGAACGGGCCGGCCAGGTACCAC *****
clone 40 BioXAct rTth	AAAAGCCGTCTGGATTAACTGGAGTAACGACACGCAGTCATGTGTAACAA AAAAGCCGTCTGGATTAACTGGAGTAACGACACGCAGTCATGTGTAACAA AAAAGCCGTCTGGATTAACTGGAGTAACGACACGCAGTCATGTGTAACAA *****
clone 40 BioXAct rTth	GAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGAC GAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGAC GAAAAACAATCTTCTTCGAGGTTGGTGGAGAAATTGCCCGGCTAGTTGAC *****
clone 40 BioXAct rTth	TACAGACCACAGGAAGACGGAACTGAGAAAACCTTTTACAAGAAAATTCTC TACAGACCACAGGAAGACGGAACTGAGAAAACCTTTTACAAGAAAATTCTC TACAGACCACAGGAAGACGGAACTGAGAAAACCTTTTACAAGAAAATTCTC *****
clone 40 BioXAct rTth	TAGCAAAATGCCAGGCACTTACATGCTTATGGACGTGTGCGCTACAAGGG TAGCAAAATGCCAGGCACTTACATGCTTATGGACGTGTGCGCTACAAGGG TAGCAAAATGCCAGGCACTTACATGCTTATGGACGTGTGCGCTACAAGGG *****
clone 40 BioXAct rTth	ACGCTGATGATAAATGCATCGAAGGCACAATTGTGGTGACAGTCAGGGTG ACGCTGATGATAAATGCATCGAAGGCACAATTGTGGTGACAGTCAGGGTG ACGCTGATGATAAATGCATCGAAGGCACAATTGTGGTGACAGTCAGGGTG *****
clone 40 BioXAct rTth	TCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTGAT TCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTGAT TCCCTATATGACGAAGATAACAATGGTGTAAATGGATGAAGGTAAGGTGAT *****
clone 40 BioXAct	TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTCTTAGACC TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTCTTAGACC

Fig. 6 (Part 1 of 2)

rTth	TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTCTTAGACC *****
clone 40 BioXAct rTth	AAGATGTTGAACTCGATTATACGTGGACTCAAAACGAGTGTGATCTACCA AAGATGTTGAACTCGATTATACGTGGACTCAAAACGAGTGTGATCTACCA AAGATGTTGAACTCGATTATACGTGGACTCAAAACGAGTGTGATCTACCA *****
clone 40 BioXAct rTth	GACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTT GACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTT GACACAGTAGACGAGGCTGAAGACACACCGTCAGAACTGGAGAATTCTT *****
clone 40 BioXAct rTth	CTGGTAGATCTATCAGACTACTTTTATCAGCAGGACAACCTGGTCGTTACC CTGGTAGATCTATCAGACTACTTTTATCAGCAGGACAACCTGGTCGTTACC CTGGTANATCTATCAGACTACTTTTATCAGCAGGACAACCTGGTCGTTACC *****
clone 40 BioXAct rTth	AGACACCTATAACGTGTCTCATCAATAATGTGTAAACAGAAATAATCG AGACACCTATAACGTGTCTCATCAATAATGTGTAAACAGAAATAATCG AGACACCTATAACGTGTCTCATCAATAATGTGTAAAC *****
clone 40 BioXAct rTth	ATAGAATATTGAAAATAAAATGTTAATAAACACTGGTTGAAATATGAAAA ATAGAATATTGAAAATAAAATGTTAATAAACACTGGTTGAAATATGAA
clone 40 BioXAct rTth	AAAAAAAAAAAAAACTCGAG (SEQ ID No: 1) (piece of SEQ ID No: 1) (SEQ ID No: 23)

Fig. 6 (Part 2 of 2)

Oligo 1

ACI ATH TTY TTY CAR GT

Oligo 2

CAR GAR GAR GGN ACI GA

Oligo 2A

TCI GTN CCY TCY TCY TG

Oligo N

TTY AAY GTI GAY TGG ATG

M=A/C

R=A/G
K=G/T

W=A/T

S=G/C

Y=C/T

V=A/C/G

H=A/C/T

D=A/G/T

B=C/G/T

N=A/C/G/T

I=inosine

Fig. 7A

(SEQ ID Nos 7-10, respectively,
in order of appearance)

Oligo 3A

ACA CAG CCC CAA AGC CCG AT

Oligo 4S

TTG CCC GGC TAG TTG ACT AC

Oligo 5A

CAT ATT TCA ACC AGT GTT TAT TAA

Oligo 6A

CAA TTG TGC CTT CGA TGC A

Oligo 7S

GGA CTG TGG GCT CTT AG

Oligo 8S

ATG GCT TGT ATC GTT TTC GT

Oligo T7

Fig. 7B

(SEQ ID Nos 11-16, respectively,
in order of appearance)

Oligo ExS

CCA CAC GGA TCC TGA GGA AGT ACA ATG

Oligo ExA

CCA CAC GGA TCC TTA TTG ATG AGG ACA

Oligo Bac1

CTT GTT TTT ATG GTC GTC TAC ATT TCT TAC ATC TAT GCG GAG
GAA GTA CAA TG

Oligo C9 12

CCA CAC AGA TCT AGA ATG AAA TTC TTA GTC AAC GTT GCC CTT
GTT TTT ATG GTC

Oligo BV5

TTT ACT GTT TTC GTA ACA GTT TTG

Oligo BV3

CAA CAA CGC ACA GAA TCT AG

Fig. 7C

(See ID nos 17-22, respectively,
in order of appearance)

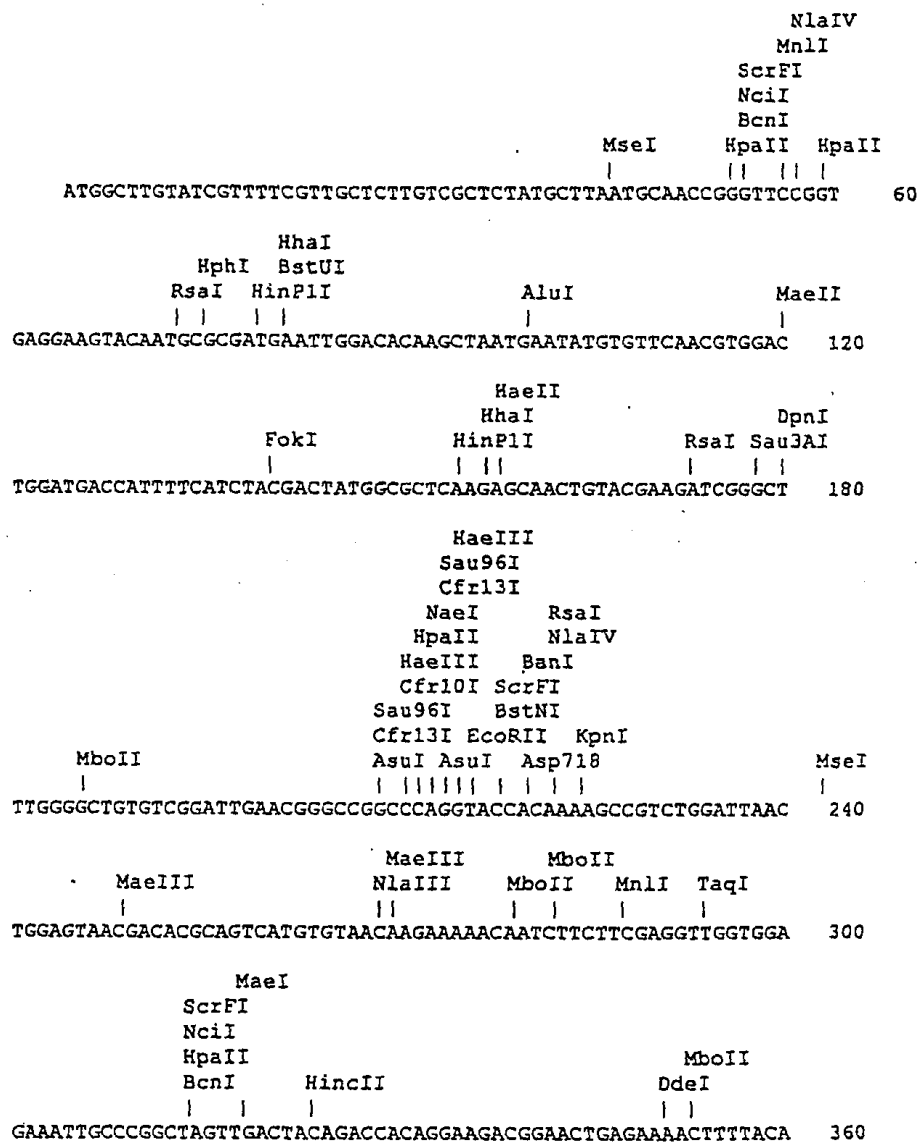


Fig. 9 (Part 1 of 2)
(piece of SEQ ID No: 1)